

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only	
International Application No. 20 DEC 2004	
International Filing Date	
Name of receiving Office and "PCT International Application"	

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			Applicant's or (if desired) (12	agent'	s file reference cters maximum)	152159.2/NL/
Box No. I TITLE OF IN	VENTION	<u> </u>				
Marking in Rel	ief					
Box No. II APPLICANT		This perso	on is also invento	T		<u>. </u>
Name and address: (Family name The address must include postal code Box is the applicant's State (that is, co	and name of court	trv. The country of	the address indicate	ed in this	Telephone No.	
·					Facsimile No.	
PHILIP MORRIS		S.A.			Teleprinter No.	
Quai Jeanrenau						
2000 Neuchâtel	(SW1ţze	riand)			Applicant's regis	stration No. with the Offi
State (that is, country) of national	lity:		State (that is, c	country) of residence:	
Switzerland			Switze	rla	nd	
This person is applicant for the purposes of:	all designated States	XX all designate the United S	d States except tates of America		the United States of America only	the States indicated in the Supplemental Bo
Box No. III FURTHER APP	'LICANT(S) AI	ND/OR (FURTI	HER) INVENTO	OR(S)		
ANCONA, Teresa Rue St-Jean 12 1260 Nyon (Swit	tzerland				inventor is marked	t only and inventor only (If this check-box d, do not fill in below.) ration No. with the Office
State (that is, country) of national US/Switzerland	ty:		State (that is, co Switze			
	all designated	all designated				
or the purposes of:	States	the United Sta	tes of America		the United States of America only	the States indicated in the Supplemental Box
Further applicants and/or (fi	urther) inventors	are indicated on	a continuation s	heet.		
lox No. IV AGENT OR COM	AMON REPRE	ESENTATIVE;	OR ADDRESS	FOR	CORRESPONDE	NCE
he person identified below is her f the applicant(s) before the com	petent Internation	nal Authorities a	s :		agent [common representative
ame and address: (Family name foli The address must	owed by given nam	ne; for a legal entity, de and name of cou	full official designa	tion.	Telephone No.	
	poolar out		···· y.y	Ļ	+41 031/3	35 20 00
BOVARD LTD				- 1	Facsimile No.	
Optingenstrasse 1				L	+41 031 3	32 81 59
3000 Berne 25 (Sw	itzerlan	nd)			Teleprinter No.	
				7	Agent's registration	No. with the Office
Address for correspondence space above is used instead to	: Mark this che	ck-box where no	agent or commo	n repre	sentative is/has bee	en appointed and the

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Sheet	N T		
Sneer	NO.		

	Continuation of Box No. III FURTHER APPLICANT(S)	AND/OR (FURTHER	R) INVENTOR(S)
	If none of the following sub-boxes is used, this sheet should n	ot be included in the re	equest.
	Name and address: (Family name followed by given name: for a legal em. The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of resident MANGANELLI, Tony Av. des Bains 36 1007 Lausanne (Switzerland)		applicant only XX applicant and inventor inventor only (If this check-box is marked, do not fill in below.)
			Applicant's registration No. with the Office
I	State (that is, country) of nationality: Switzerland	State (that is, country,	
ŀ	TL:	Switzerlan	
L	for the purposes of: States the United St		the United States of America only the States indicated in the Supplemental Box
	Name and address: (Family name followed by given name; for a legal entit The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of residence	e address indicated in this e is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
Ļ.	State (that is, country) of nationality:	State (that is, country)	of regidence:
_		orate (mar as, country)	or residence.
	This person is applicant all designated all designated for the purposes of:		the United States indicated in the Supplemental Box
	Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	address indicated in this is indicated below)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) applicant's registration No. with the Office
S	tate (that is, country) of nationality:	State (that is, country) or	f residence:
	his person is applicant all designated all designated States all designated States	tates except the	United States the States indicated in the Supplemental Box
	ame and address: (Family name followed by given name; for a legal entity, f ne address must include postal code and name of country. The country of the a ex is the applicant's State (that is, country) of residence if no State of residence is	ddress indicated in this indicated below.)	applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) applicant's registration No. with the Office
ta	te (that is, country) of nationality:	ate (that is, country) of r	esidence:
	is person is applicant the purposes of: all designated States all designated the United States		United States the States indicated in the Supplemental Box
_	Further applicants and/or (further) inventors are indicated on an	other continuation sheet	t.

Sheet No. ..3....

Box No. V DESIGNATION OF STAT	ES Mark the applicable check-boxes belo	w; at least one must be marked.
The following designations are hereby made	le under Rule 4.9(a): **SI Sloveni	a, SK Slovak Rep.
Regional Patent		
SL Sierra Leone, SZ Swaziland, State which is a Contracting Sta	GM Gambia, KE Kenya, LS Lesotho, MV IZ United Republic of Tanzania, UG Uganda, te of the Harare Protocol and of the PCT (if	, ZM Zambia, ZW Zimbabwe, and any other other kind of protection or treatment desired
E EA Eurasian Patent: AM Armenia,	AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, istan, TM Turkmenistan, and any other State	KZ Kazakhstan, MD Republic of Moldova
DK Denmark, ES Spain, FI Finla MC Monaco, NL Netherlands, P	, BE Belgium, CH & LI Switzerland and and, FR France, GB United Kingdom, GR Gr T Portugal, SE Sweden, TR Turkey, and any and of the PCT BG Bulgaria, C	eece, IE Ireland, IT Italy, LU Luxembourg, other State which is a Contracting State of
A OAPI Patent: BE Burking Face	BJ Benin, CF Central African Republic, CC	Congo, CI Côte d'Ivoire, CM Camernon
GA Gabon, GN Guinea, GQ Equ TD Chad, TG Togo, and any othe	natorial Guinea, GW Guinea-Bissau, ML Ma or State which is a member State of OAPI and specify on dotted line)	li, MR Mauritania, NE Niger, SN Senegal, a Contracting State of the PCT (if other kind
National Patent (if other kind of protection	on or treatment desired, specify on dotted line):	
🔀 AE United Arab Emirates	GM Gambia	NZ New Zealand
🛂 AG Antigua and Barbuda	HR Croatia	
	HU Hungary	
AM Armenia	☑ ID Indonesia	M PL Poland
MAT Austria+. ULLIILY. III.QUEI	IL Israel	M po Personia
M AU Australia	X IS Isoland	RU Russian Federation
N RA Rossia and Herzegovina	☑ JP Japan	
3 1 1	M vp v	IXI CD Curley
BG Bulgaria	KG Kyrgyzstan	SE Sweden
BR Brazil	KP Democratic People's Republic	SG Singapore
BY Belarus	of Korea	⊠SC Seychelles
BZ Belize	KR Republic of Korea	
CA Canada	KZ Kazakhstan	
CH & LI Switzerland and Liechtenstein	M LC Saint Lucia	□ TJ Tajikistan
CN China	LR Liberia	☑ TN Tunisia
CO Colombia		TR Turkey
CU Cuba		TT Trinidad and Tobago
CZ Czech Republic + UM	☑ LU Luxembourg	
DR Germany + UM	LV Latvia	TZ United Republic of Tanzania
DK Denmark+.UM	MA Morocco	☑ UA Ukraine
DM Dominica	MD Republic of Moldova	
DZ Algeria		US United States of America
EC Ecuador	MG Madagascar	
	MK The former Yugoslav Republic of	_
ES Spain		VN Viet Nam
		YU Yugoslavia
GB United Kingdom	MWMalawi	
GD Grenada	MX Mexico	
GE Georgia		KI ZW Zimbabwe
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eck-boxes below reserved for designating	States which have become party to the PCT a	fter issuance of this sheet:
.NI.Nicaragua		0
.PG Papua New Guinea		O
	addition to the designations made above, the	
	under the PCT except any designation(s) in	
luded from the scope of this statement. The	e applicant declares that those additional desig	nations are subject to confirmation and that
designation which is not confirmed before	e the expiration of 15 months from the priority	date is to be regarded as withdrawn by the

applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Form PCT/RO/101 (second sheet) (January 2002)

		A .	
Sheet	No	4	

Box No. VI PRIORIT	Y CLAIM			
The priority of the following	ing earlier application(s) is her	eby claimed:		
Filing date	Number	1	Where earlier application	is:
of earlier application (day/month/year)	of earlier application	national application: country	regional application:* regional Office	international application receiving Office
item(1) 21 June 2002 (21/06/2002)	02405517.0		European Patent Offi	ce
item (2)				`
item (3)				
item (4)				
item (5)				
Further priority claims	are indicated in the Suppleme	ental Box.		
The receiving Office is requifithe earlier application was above as:	nested to prepare and transmit to filed with the Office which for t	to the International Bureau the purposes of this internat	a certified copy of the estional application is the re	arlier application(s) (only occiving Office) identified
all items item	(1) item (2)	item (3) item (4) item (5)	other, see Supplemental Box
* Where the earlier applicati Industrial Property or one M	ion is an ARIPO application, in Tember of the World Trade Org	dicate at least one country p ganization for which that ea	party to the Paris Conven rlier application was file	tion for the Protection of d (Rule 4.10(b)(ii)):
Box No. VII INTERNAT	TONAL SEARCHING AUT	HORITY		
Choice of International Ses international search, indicate	arching Authority (ISA) (if m the Authority chosen; the two-	vo or more International Sec letter code may be used):	arching Authorities are co	ompetent to carry out the
	• • • • • • • • • • • • • • • • • • • •			
International Searching Author	rlier search; reference to the ority):	at search (if an earlier sea	rch has been carried out	by or requested from the
Date <i>(day/month/year)</i> 18/11/2004	Numbe EP 02 40 55		y<i>(or regional Office)</i> 1 Patent Offi	ice
Box No. VIII DECLARAT	TONS			
The following declarations a heck-boxes below and indicate	are contained in Boxes Nos. V	/III (i) to (v) (mark the app per of each type of declaration	licable on):	Number of declarations
Box No. VIII (i)	Declaration as to the identity	of the inventor		:
Box No. VIII (ii)	Declaration as to the applicated date, to apply for and be grant	-	nternational filing	:
Box No. VIII (iii)	Declaration as to the applica date, to claim the priority of		international filing	:
Box No. VIII (iv)	Declaration of inventorship (United States of America)	only for the purposes of the	e designation of the	: 1
Box No. VIII (v)	Declaration as to non-prejudi	icial disclosures or exceptio	ons to lack of novelty	:

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:

ior the purposes of the designation	u of the Office States of America.
I hereby declare that I believe I am the original, first and sole (if on is listed below) inventor of the subject matter which is claimed and	ly one inventor is listed below) or joint (if more than one invento d for which a patent is sought.
This declaration is directed to the international application of which	ch it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/ to Rule 26ter).	(if furnishing declaration pursuan
I hereby declare that my residence, mailing address, and citizenshi	ip are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the of said application. I have identified in the request of said application and I have identified below, under the heading "Prior Applications, Organization, day, month and year of filing, any application for a pat States of America, including any PCT international application design having a filing date before that of the application on which foreign	n, in compliance with PCT Rule 4.10, any claim to foreign priority, "by application number, country or Member of the World Trade tent or inventor's certificate filed in a country other than the United gnating at least one country other than the United States of America, a priority is claimed.
Prior Applications: Europe 21. June 2002	02405517.0
	• • • • • • • • • • • • • • • • • • • •
I hereby acknowledge the duty to disclose information that is 37 C.F.R. § 1.56, including for continuation-in-part applications, ma of the prior application and the PCT international filing date of the	iterial information which became available between the filing date
I hereby declare that all statements made herein of my own knowled, are believed to be true; and further that these statements were made made are punishable by fine or imprisonment, or both, under Section false statements may jeopardize the validity of the application or are	e with the knowledge that willful false statements and the like so n 1001 of Title 18 of the United States Code and that such willful
Name: Teresa ANCONA	
Residence: . 1.2.60 Nyon . (.Switzerland.) (city and either US state, if applicable, or country)	
Mailing Address: Rue St-Jean 12. 1260 Nyon (Switzerland)	
Citizenship: US/Switzerland	
Inventor's Signature: (Signature) (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date:3. February 20.03 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
Name: Tony MANGANELLI 1007 Lausanne (Switzerland) Residence: city and either US state, if applicable, or country)	
Mailing Address: Av. des Bains 36	and)
Citizenship: . Switzerland	
nventor's Signature: (signature)	Date: 4. June 2003. (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
This declaration is continued on the following sheet, "Continuation	on of Box No. VIII (iv)".

Sheet	No	6	

Box No. IX CHECK LIST; LANGUAGE OF FILING						
This international application contains: (a) the following number of	This international application is accompanied by the following item(s) (mark the applicable check-baxes below and indicate in right column the number of each item):	Number of items				
sheets in paper form: request (including	1. 🔀 fee calculation sheet	: 1				
declaration sheets) : 6	2. original separate power of attorney	: 1				
description (excluding	3. original general power of attorney	:				
sequence listing part) : 7 claims : 3	4. copy of general power of attorney; reference number,					
abstract : 1	if any:	. :				
drawings : 3	5. statement explaining lack of signature	:				
Sub-total number of sheets : 20	6. priority document(s) identified in Box No. VI as item(s):	. : 1				
sequence listing part of description (actual number	7. translation of international application into (language):					
of sheets if filed in paper form, whether or not also filed in computer readable	8. separate indications concerning deposited microorganism or other biological material	:				
form; see (b) below) : Total number of sheets :	9. sequence listing in computer readable form (indicate also type and number of carriers (diskette, CD-ROM, CD-R or other)	e				
(b) sequence listing part of description filed in computer readable form	 (i) ☐ copy submitted for the purposes of international sear under Rule 13ter only (and not as part of the 					
(i) only (under Section 801(a)(i))	international application) (ii) (iii) (only where check-box (b)(i) or (b)(ii) is marked in le	: #				
(ii) ☐ in addition to being filed in paper form (under Section 801(a)(ii))	column) additional copies including, where applicab the copy for the purposes of international search und	e,				
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which the	Rule 13 <i>ter</i> (iii) together with relevant statement as to the identity	:				
sequence listing part is contained (additional copies to be indicated under item 9(ii). in	of the copy or copies with the sequence listing part mentioned in left column	:				
right column):	10. 図 other (specify): Search Report	1				
Figure of the drawings which	Language of filing of the					
should accompany the abstract: 3	international application: French					
	F, AGENT OR COMMON REPRESENTATIVE ning and the capacity in which the person signs (if such capacity is not obvious from re-	ading the request).				
	BOVARD LTD J. Aebischer					
	For receiving Office use only					
1. Date of actual receipt of the purported	2. 1	Orawings:				
international application:		received:				
 Corrected date of actual receipt due to later b timely received papers or drawings completing the purported international application: 	out ng					
4. Date of timely receipt of the required corrections under PCT Article 11(2):						
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid						
For International Bureau use only						
Date of receipt of the record copy by the International Bureau:						

TRANSLATION

Power of Attorney (valid for a predetermined international application)

PATENT CO-OPERATION TREATY APPOINTMENT OF AN AGENT OR COMMON REPRESENTATIVE

POWER OF ATTORNEY

The undersigned applicant(s)

Philip Morris Products S.A. Quai Jeanrenaud 3 2000 Neuchâtel (Switzerland)

hereby appoint Mr (Mrs, Ms) [name, address]:

BOVARD LTD Optingenstrasse 16 CH-3000 Berne 25 (Switzerland)

[X] as agent

[] as common representative

to act in his (their) name before the competent international authorities concerning the international application relating to [title of invention, reference to the dossier of the applicant or of the agent, if it has been indicated in the application, number of the international application if it is already available]:

"Marking in Relief"

filed with the Federal Institute of Intellectual Property, as the receiving office or to receive payments in his (their) name.

Place: Neuchâtel

Date: 13th June 2003

Signature of the applicant (if there are more than one, all must sign):

(signature)

(signature)

Inventors:

Dr. Richard H. Cox

Jean Bernard Boder

(signature)

Sr. Vice President

Director

Teresa ANCONA

Worldwide R&D

(signature)

PHILIP MORRIS PRODUCTS S.A.

Tony MANGANELLI

2000 NEUCHÂTEL

Please typewrite the name under each signature.